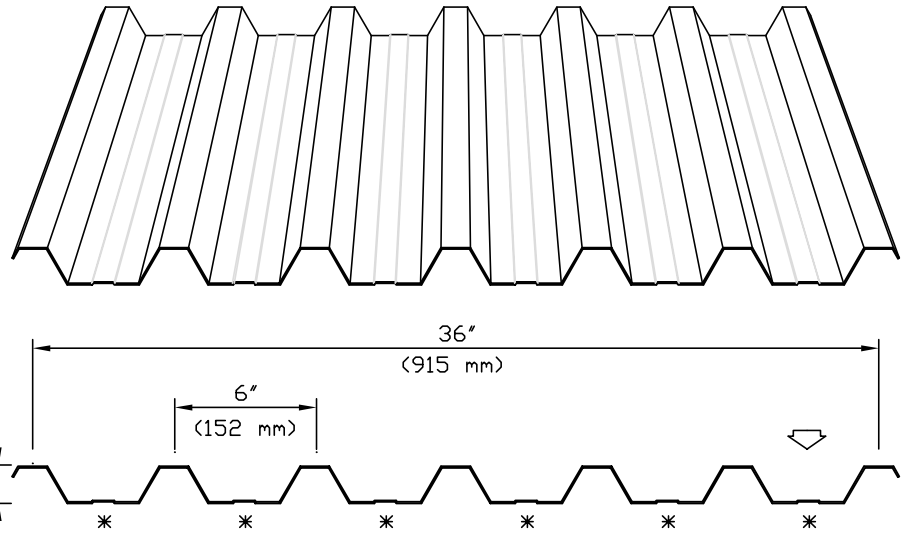


Ideal Roofing's "Universal-Rib" was designed with strength as its main criteria. The "Universal-Rib" can be used for wall or roof applications in either new construction or renovation. Industrial and commercial buildings will look good for years, while being protected from the environment with this strong and handsome panel.

The "Universal-Rib" offers superior strength and rigidity with its seven 1½" (38mm) deep ribs and can be fastened to wood or metal structures. This product is roll-formed in panels covering 36" (915mm) in width and custom-cut in lengths up to 40 feet (12.2m) for fast and easy installation.



AVAILABLE MATERIALS

Mill finish Galvanized Steel

- (ASTM A-653 SS, grade 33, Z275 (G-90));
- gauges: 26 (.021"/0.54mm thick),
- 24 (.026"/0.66mm thick),
- 22 (.032"/0.81mm thick),
- 20 (.038"/0.96mm thick).

Mill finish Galvalume Plus Steel

- (ASTM A-792 SS, grade 33, AZ180);
- gauges: 26 (.021"/0.54mm thick),
- 24 (.026"/0.66mm thick),
- 22 (.032"/0.81mm thick).

Pre-painted Galvanized Steel

- (ASTM A-653 SS, grade 33, Z275 (G-90));
- Perspectra **PLUS**™ Series / Weather XL™;
- see colour chart *1;
- gauges: 26 (.021"/0.54mm thick),
- 24 (.026"/0.66mm thick),
- 22 (.032"/0.81mm thick).

Minimum Yield Stress	Fy = 33,000.00 P.S.I. (228 Mpa)
Maximum Working Stress Fb	= 20,625.00 P.S.I. (144 Mpa)
Young's Modulus	(E) = 29,500,000.00 P.S.I. (203 Mpa)

*1): Other finishes and gauges are available, contact our office

* Stiffener ribs can be removed when specified by customer

Universal Rib

Total Nominal Thickness (in.)	Core Nominal Thickness (in.)	Section Modulus		Moment of inertia In-4	Allowable reaction End (lb)
		Midspan in ³ /ft	Support in ³ /ft		
0.021	0.018	0.0854	0.0967	0.0728	112
0.026	0.024	0.1293	0.1445	0.1090	274
0.032	0.030	0.1668	0.1799	0.1507	493
0.038	0.036	0.2053	0.2150	0.1970	754

(IMPERIAL)

UNIFORMLY DISTRIBUTED LOADS (pounds/square foot)									
Span Condition	Span (inches)	26 gauge (.021")		24 gauge (.026")		22 gauge (.032")		20 gauge (.038")	
		B	D	B	D	B	D	B	D
S I N G L E	48	56	75	111	112	143	154	176	202
	54	50	52	88	78	113	108	139	142
	60	45	38	71	57	92	79	113	103
	66	39	29	59	43	76	59	93	78
	72	33	22	49	33	64	46	78	60
	78	28	17	42	26	54	36	67	47
	84	24	14	36	21	47	29	58	38
	90	21	11	32	17	41	23	50	31
	96	18	9	28	14	36	19	44	25
	102	16	8	25	12	37	16	39	21
	108	14	7	22	10	28	14	35	18
	114	13	6	20	8	25	12	31	15
120	12	5	10	7	23	10	28	13	
D O U B L E	48	62	179	121	268	155	370	185	484
	54	55	126	98	188	122	260	146	340
	60	49	92	79	137	99	190	118	248
	66	44	69	66	103	82	143	98	186
	72	37	53	55	79	69	110	82	143
	78	31	42	47	62	59	86	70	113
	84	27	33	41	50	50	69	60	90
	90	24	27	35	41	44	56	53	73
	96	21	22	31	33	39	46	46	61
	102	18	19	28	28	34	39	41	50
	108	16	16	25	24	31	33	36	43
	114	15	13	22	20	27	28	33	36
120	13	11	20	17	25	24	30	31	
T R I P L E	48	70	141	137	211	193	292	231	381
	54	62	99	122	148	153	205	182	268
	60	56	72	99	108	124	149	148	195
	66	51	54	82	81	102	112	122	147
	72	46	42	69	63	86	86	103	113
	78	39	33	59	49	73	68	87	89
	84	34	26	51	39	63	54	75	71
	90	30	21	44	32	55	44	66	58
	96	26	18	39	26	48	36	58	48
	102	23	15	34	22	43	30	51	40
	108	21	12	31	19	38	26	46	33
	114	18	11	28	16	34	22	41	28
120	17	9	25	14	31	19	37	24	

B = Load reduced for web crippling D = Load capacity based on deflection L/180